

# WEST Search History

DATE: Thursday, March 27, 2003

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i>			
L1	titania same silica	48286	L1
L2	l1 and (platinum or palladium or precious metal)	11130	L2
L3	l1 same (platinum or palladium or precious metal)	2271	L3
L4	L3 same (tungsten with (oxide or dioxide))	208	L4
L5	L4 and catalyst	168	L5
L6	L4 and catalyst composite	14	L6

END OF SEARCH HISTORY

**Generate Collection****Print****Search Results - Record(s) 1 through 14 of 14 returned.** **1. Document ID: US 6086749 A**

L6: Entry 1 of 14

File: USPT

Jul 11, 2000

US-PAT-NO: 6086749

DOCUMENT-IDENTIFIER: US 6086749 A

TITLE: Catalyst and method for hydroprocessing a hydrocarbon feed stream in a reactor containing two or more catalysts

DATE-ISSUED: July 11, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kramer; David C.	San Anselmo	CA		
Stangeland; Bruce E.	Berkeley	CA		

US-CL-CURRENT: 208/213; 208/108, 208/110, 208/112, 208/216R, 208/217, 208/251H,  
208/254H

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
Draw Desc	Image										

 **2. Document ID: US 5114902 A**

L6: Entry 2 of 14

File: USPT

May 19, 1992

US-PAT-NO: 5114902

DOCUMENT-IDENTIFIER: US 5114902 A

TITLE: Process of making supported catalyst

DATE-ISSUED: May 19, 1992

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schwarz; James A.	Fayetteville	NY		
Subramanian; Somasundaram	Melvindale	MI		

US-CL-CURRENT: 502/334; 502/242, 502/254, 502/262, 502/308, 502/313, 502/332,  
502/335, 502/336

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
Draw Desc	Image										

 **3. Document ID: US 4956509 A**

US-PAT-NO: 4956509

DOCUMENT-IDENTIFIER: US 4956509 A

TITLE: Integrated paraffin upgrading and catalytic cracking processes

DATE-ISSUED: September 11, 1990

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harandi; Mohsen N.	Lawrenceville	NJ		
Owen; Hartley	Belle Mead	NJ		

US-CL-CURRENT: 585/300; 208/78, 585/301, 585/304, 585/910

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KWC</a>
<a href="#">Draw Desc</a>	<a href="#">Image</a>										

 4. Document ID: US 4014821 A

US-PAT-NO: 4014821

DOCUMENT-IDENTIFIER: US 4014821 A

TITLE: Heavy crude conversion catalyst

DATE-ISSUED: March 29, 1977

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hamner; Glen P.	Baton Rouge	LA		

US-CL-CURRENT: 502/313; 208/216PP, 208/216R, 208/217, 502/305

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KWC</a>
<a href="#">Draw Desc</a>	<a href="#">Image</a>									

 5. Document ID: US 3998722 A

US-PAT-NO: 3998722

DOCUMENT-IDENTIFIER: US 3998722 A

TITLE: High temperature hydroconversion without incompatibles formation

DATE-ISSUED: December 21, 1976

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mayer; Francis X.	Baton Rouge	LA	70808	
Taylor, Jr.; James H.	Baton Rouge	LA	70806	
Mueller; David E.	Baton Rouge	LA	70816	
Sawyer; Willard H.	Baton	LA	70810	

US-CL-CURRENT: 208/112; 208/154, 208/157, 208/159, 208/216PP, 208/216R, 208/251H,  
208/264, 502/314

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KIMC</a>
<a href="#">Draw Desc</a>   <a href="#">Image</a>										

6. Document ID: US 3993601 A

L6: Entry 6 of 14

File: USPT

Nov 23, 1976

US-PAT-NO: 3993601

DOCUMENT-IDENTIFIER: US 3993601 A

TITLE: Process for preparing a heavy crude conversion catalyst

DATE-ISSUED: November 23, 1976

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Long; Fred M.	Baton Rouge	LA		
Sawyer; Willard H.	Baton Rouge	LA		

US-CL-CURRENT: 502/303; 502/302, 502/322, 502/323, 502/327, 502/332, 502/335,  
502/355, 502/439

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KIMC</a>
<a href="#">Draw Desc</a>   <a href="#">Image</a>										

7. Document ID: US 3993599 A

L6: Entry 7 of 14

File: USPT

Nov 23, 1976

US-PAT-NO: 3993599

DOCUMENT-IDENTIFIER: US 3993599 A

TITLE: Process for preparing a heavy crude conversion catalyst

DATE-ISSUED: November 23, 1976

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mattox; William J.	Baton Rouge	LA		

US-CL-CURRENT: 502/303; 502/302, 502/314, 502/322, 502/323, 502/327, 502/332,  
502/335, 502/355, 502/439

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KIMC</a>
<a href="#">Draw Desc</a>   <a href="#">Image</a>										

8. Document ID: US 3993598 A

L6: Entry 8 of 14

File: USPT

Nov 23, 1976

US-PAT-NO: 3993598

DOCUMENT-IDENTIFIER: US 3993598 A

TITLE: Process for preparing a heavy crude conversion catalyst

DATE-ISSUED: November 23, 1976

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Arey, Jr.; William F.	Baton Rouge	LA		
Hamner; Glen P.	Baton Rouge	LA		
Sawyer; Willard H.	Baton Rouge	LA		

US-CL-CURRENT: 502/303; 502/302, 502/308, 502/314, 502/327, 502/332, 502/335

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc   Image										

9. Document ID: US 3989645 A

L6: Entry 9 of 14

File: USPT

Nov 2, 1976

US-PAT-NO: 3989645

DOCUMENT-IDENTIFIER: US 3989645 A

TITLE: Process for preparing a heavy crude conversion catalyst

DATE-ISSUED: November 2, 1976

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Long; Fred M.	Baton Rouge	LA		
Sawyer; Willard H.	Baton Rouge	LA		

US-CL-CURRENT: 502/303; 502/322, 502/332, 502/335, 502/439

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc   Image										

10. Document ID: US 3985684 A

L6: Entry 10 of 14

File: USPT

Oct 12, 1976

US-PAT-NO: 3985684

DOCUMENT-IDENTIFIER: US 3985684 A

TITLE: Heavy crude conversion

DATE-ISSUED: October 12, 1976

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Arey, Jr.; William F.	Baton Rouge	LA		
Hamner; Glen P.	Baton Rouge	LA		
Sawyer; Willard H.	Baton Rouge	LA		

US-CL-CURRENT: 502/308

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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 11. Document ID: US 3977962 A

L6: Entry 11 of 14

File: USPT

Aug 31, 1976

US-PAT-NO: 3977962

DOCUMENT-IDENTIFIER: US 3977962 A

TITLE: Heavy crude conversion

DATE-ISSUED: August 31, 1976

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Arey, Jr.; William F.	Baton Rouge	LA		
Hamner; Glen P.	Baton Rouge	LA		
Sawyer; Willard H.	Baton Rouge	LA		

US-CL-CURRENT: 208/59; 208/112, 208/251H, 208/264, 502/308, 502/311, 502/325

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

 12. Document ID: US 3977961 A

L6: Entry 12 of 14

File: USPT

Aug 31, 1976

US-PAT-NO: 3977961

DOCUMENT-IDENTIFIER: US 3977961 A

TITLE: Heavy crude conversion

DATE-ISSUED: August 31, 1976

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hamner; Glen P.	Baton Rouge	LA		

US-CL-CURRENT: 208/59; 208/112, 208/251H, 208/264, 502/185, 502/313

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

13. Document ID: US 3887455 A

L6: Entry 13 of 14

File: USPT

Jun 3, 1975

US-PAT-NO: 3887455

DOCUMENT-IDENTIFIER: US 3887455 A

TITLE: Ebullating bed process for hydrotreatment of heavy crudes and residua

DATE-ISSUED: June 3, 1975

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hamner; Glen P.	Baton Rouge	LA		
Clem; Kenneth R.	Baton Rouge	LA		

US-CL-CURRENT: 208/112; 208/111.3, 208/111.35, 208/157, 208/216PP, 208/216R, 208/59,  
209/158, 209/159, 209/172.5

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14. Document ID: US 3884797 A

L6: Entry 14 of 14

File: USPT

May 20, 1975

US-PAT-NO: 3884797

DOCUMENT-IDENTIFIER: US 3884797 A

TITLE: Hydrofining-reforming process

DATE-ISSUED: May 20, 1975

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Alley, Jr.; Starling K.	Brea	CA		
Attane, Jr.; Edward C.	Orange	CA		

US-CL-CURRENT: 208/89; 208/210

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Terms	Documents
L4 and catalyst composite	14

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